

UNIVERSITY OF CALIFORNIA
SCRIPPS INSTITUTION OF OCEANOGRAPHY, LA JOLLA

VISIBILITY LABORATORY
SAN DIEGO 52, CALIFORNIA

VisLab File No. 003

To: Chief, Bureau of Ships
Attn: Code 687C

Subj: NASA Interagency Fund Transfer R-139; Visibility Laboratory activities under Contract NObs-92058 for February 1966 on the development for NASA of computer techniques for performing visibility calculations

During the month of February the computer program modification which incorporates the properties of a window and/or optical system was subjected to trial runs and was found to be operating correctly. The report draft was revised to include these new subroutines and to include sample calculations.

Until recently the vision experiments, which are an integral part of the research program under this funding, were not initiated due to the demands on this Laboratory imposed by the Gemini Visual Acuity Experiment. New observers for these vision experiments have been hired and are undergoing training. A first goal for the vision experiments is an investigation of the conditions involved in crater visibility, i.e., detection of targets imbedded in a dark local background with a bright surround. Instrumentation of this experiment is underway.

J. L. Harris Sr.
S. Q. Duntley for
Director
Visibility Laboratory

SQD:tm

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